

Technical Report for**Weston Solutions, Inc.****Manweiler Tanker****SGS Accutest Job Number: D86229****Sampling Dates: 08/26/16 - 08/27/16****Report to:**

Weston Solutions, Inc.
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ATTN: Eric Sandusky**Total number of pages in report: 42**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read "Scott Heideman".

Scott Heideman
Laboratory Director

Client Service contact: Renea Lewis 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049)

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Test results relate only to samples analyzed.

Sample Summary

Weston Solutions, Inc.

Job No: D86229

Manweiler Tanker

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D86229-1A	08/26/16	11:50 EKES	08/29/16	SO	Oil	TS-SW-01-20160826
D86229-2	08/26/16	12:20 EKES	08/29/16	AQ	Surface Water	TS-SW-02-20160826
D86229-3	08/26/16	14:40 EKES	08/29/16	AQ	Surface Water	TS-SW-03-20160826
D86229-4	08/26/16	16:10 EKES	08/29/16	AQ	Surface Water	TS-SW-04-20160826
D86229-5	08/26/16	18:05 EKES	08/29/16	AQ	Surface Water	TS-SW-05-20160826
D86229-6	08/26/16	20:15 EKES	08/29/16	AQ	Surface Water	TS-SW-06-20160826
D86229-7	08/26/16	19:05 EKES	08/29/16	AQ	Surface Water	TS-SW-07-20160826
D86229-8	08/27/16	07:50 EKES	08/29/16	AQ	Surface Water	TS-SW-08-20160827
D86229-9	08/27/16	08:45 EKES	08/29/16	AQ	Surface Water	TS-SW-07-20160827
D86229-10	08/27/16	09:00 EKES	08/29/16	AQ	Surface Water	TS-SW-07-20160827-02
D86229-11	08/27/16	10:55 EKES	08/29/16	AQ	Surface Water	TS-SW-06-20160827
D86229-12	08/27/16	11:30 EKES	08/29/16	AQ	Surface Water	TS-SW-B2-20160827
D86229-13	08/27/16	11:16 EKES	08/29/16	AQ	Surface Water	TS-SW-05-20160827

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)**Weston Solutions, Inc.****Job No: D86229****Manweiler Tanker**

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
D86229-13M	08/27/16	11:16 EKES	08/29/16	AQ Water Matrix Spike	TS-SW-05-20160827
D86229-13S	08/27/16	11:16 EKES	08/29/16	AQ Water Dup/MSD	TS-SW-05-20160827
D86229-14	08/27/16	11:35 EKES	08/29/16	AQ Surface Water	TS-SW-05-20160827-D
D86229-15	08/27/16	10:27 EKES	08/29/16	AQ Surface Water	TS-SW-04-20160827
D86229-16	08/27/16	10:27 EKES	08/29/16	AQ Surface Water	TS-SW-03-20160827
D86229-17	08/27/16	10:26 EKES	08/29/16	AQ Surface Water	TS-SW-03-20160827-D
D86229-18	08/27/16	09:35 EKES	08/29/16	AQ Surface Water	TS-SW-01-20160827
D86229-19	08/27/16	10:52 EKES	08/29/16	AQ Surface Water	TS-SW-B1-20160827

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

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Client Sample ID: TS-SW-01-20160826
 Lab Sample ID: D86229-1A
 Matrix: SO - Oil
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/26/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA34493.D	1	08/30/16	AK	n/a	n/a	GGA1739
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	0.010 g	10.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	314000	20000	10000	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	120%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-01-20160826
Lab Sample ID: D86229-1A
Matrix: SO - Oil
Method: SW846-8015B SW846 3580A
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43679.D	10	08/31/16	GN	08/30/16	OP14009	GFI1917
Run #2							

	Initial Weight	Final Volume
Run #1	1.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	560000	20000	19000	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	209% ^a		41-134%

(a) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-02-20160826
Lab Sample ID: D86229-2
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36414.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.48	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	108%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-02-20160826
Lab Sample ID: D86229-2
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43648.D	1	08/30/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.00	0.20	0.18	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		11-142%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-03-20160826
Lab Sample ID: D86229-3
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36415.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-03-20160826
Lab Sample ID: D86229-3
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43650.D	1	08/30/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	65%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-04-20160826
Lab Sample ID: D86229-4
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36416.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.183	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	117%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-04-20160826
Lab Sample ID: D86229-4
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43652.D	1	08/30/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3.27	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	72%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-05-20160826
 Lab Sample ID: D86229-5
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/26/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36417.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-05-20160826
Lab Sample ID: D86229-5
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43654.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	65%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-06-20160826
Lab Sample ID: D86229-6
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36418.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-06-20160826
Lab Sample ID: D86229-6
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43656.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	60%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-07-20160826
Lab Sample ID: D86229-7
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36419.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-07-20160826
Lab Sample ID: D86229-7
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/26/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43658.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	69%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-08-20160827
 Lab Sample ID: D86229-8
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36420.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-08-20160827
Lab Sample ID: D86229-8
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43660.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.256	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	72%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-07-20160827
 Lab Sample ID: D86229-9
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36421.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-07-20160827
Lab Sample ID: D86229-9
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43662.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	63%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: TS-SW-07-20160827-02
Lab Sample ID: D86229-10
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36422.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-07-20160827-02
Lab Sample ID: D86229-10
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43664.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.343	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	70%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-06-20160827
 Lab Sample ID: D86229-11
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36423.D	1	08/29/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-06-20160827
Lab Sample ID: D86229-11
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43666.D	1	08/31/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	71%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-B2-20160827
 Lab Sample ID: D86229-12
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36426.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	99%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-B2-20160827
Lab Sample ID: D86229-12
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43649.D	1	08/30/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	72%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-05-20160827
Lab Sample ID: D86229-13
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36440.D	1	08/30/16	AK	n/a	n/a	GGB1861
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-05-20160827
Lab Sample ID: D86229-13
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43642.D	1	08/30/16	GN	08/30/16	OP14012	GFI1916
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	76%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-05-20160827-D
 Lab Sample ID: D86229-14
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36428.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-05-20160827-D
Lab Sample ID: D86229-14
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43651.D	1	08/30/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	70%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-04-20160827
Lab Sample ID: D86229-15
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36429.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0538	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	108%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-04-20160827
Lab Sample ID: D86229-15
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43653.D	1	08/30/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	64%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-03-20160827
 Lab Sample ID: D86229-16
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36430.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	104%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-03-20160827
Lab Sample ID: D86229-16
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43655.D	1	08/31/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	63%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-03-20160827-D
Lab Sample ID: D86229-17
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36431.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0552	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	108%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-03-20160827-D
Lab Sample ID: D86229-17
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43657.D	1	08/31/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	75%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-01-20160827
Lab Sample ID: D86229-18
Matrix: AQ - Surface Water
Method: SW846 8015B
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36432.D	1	08/30/16	AK	n/a	n/a	GGB1860
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.182	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	105%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-01-20160827
Lab Sample ID: D86229-18
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43659.D	1	08/31/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.226	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	66%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: TS-SW-B1-20160827
 Lab Sample ID: D86229-19
 Matrix: AQ - Surface Water
 Method: SW846 8015B
 Project: Manweiler Tanker

Date Sampled: 08/27/16
 Date Received: 08/29/16
 Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB36441.D	1	08/30/16	AK	n/a	n/a	GGB1861
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.050	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	101%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TS-SW-B1-20160827
Lab Sample ID: D86229-19
Matrix: AQ - Surface Water
Method: SW846-8015B SW846 3510C
Project: Manweiler Tanker

Date Sampled: 08/27/16
Date Received: 08/29/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI43661.D	1	08/31/16	GN	08/30/16	OP14012	GFI1915
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.20	0.18	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	71%		11-142%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound